

a1  
end

package 522. The laser is directed through two windows 520 and 521 within a snowboard 530. The laser backscatter is cross correlated over time between the two windows 520, 521. This means that the two time signals are multiplied and integrated over all time with a fixed time delay between the two signals. The time delay between the two backscatter signals that yields the highest cross correlation is the period of time the snowboard takes to travel the distance of the two windows 520, 521. The speed of the snowboard 530 along direction 523 is determined by knowing the window separation distance. The source does not have to be a laser but can be noncoherent visible light, infrared or any high frequency electromagnetic radiation source.

The marked up version of this amendment is set out after the signatory page below.

(2) Please amend the "Related Applications" section of the specification as in the following "CLEAN VERSION OF RELATED APPLICATIONS SECTION." The marked up version of this section is set out after the signatory page of this Amendment.

CLEAN VERSION OF RELATED APPLICATIONS SECTION

a2  
a1  
B1

This application is a continuation of, and claims priority to, commonly-owned and co-pending U.S. Application Serial No. 09/089,232, filed on June 2, 1998, which claims priority as a continuation-in-part to U.S. Application Serial No. 08/867,083 (now U.S. Patent No. 6,266,623), filed on June 2, 1997, and which claims priority to U.S. Application No. 60/077,251, filed on March 9, 1998 and U.S. Application No. 08/764,758 (now U.S. Patent No. 5,960,380), filed December 12, 1996, each of which is expressly incorporated herein by reference.

(3) Please amend the specification as follows (the marked up version of these amendments is set out after the signatory page of this Amendment):

*Page 95, line 5, replace sentence with:*

a3

Power and/or speed can also be measured and assessed by measuring signal power spectral density.

*Page 96, line 12:*